

CURRICULUM VITAE

John Thomas Stubbs III

Associate Professor
Department of Microbiology
Howard University College of Medicine
Washington, DC 20059
jstubbs@howard.edu

EDUCATION:

- 5/93 Ph.D. Microbiology and Molecular Genetics
Conferred jointly by
Rutgers, The State University of New Jersey, New Brunswick, NJ. and
The University of Medicine and Dentistry of New Jersey,
Robert Wood Johnson Medical School (Presently, Rutgers Medical School)
Piscataway, NJ
- Dissertation:
Biosynthesis of Sporogenic Factors (**P**recocious **S**exual **I**nducer) in the
Filamentous Fungus *Aspergillus nidulans*
Advisor: Sewell P. Champe, Ph.D.
- 5/86 B.S. Microbiology
The American University
Washington, D.C.
- 5/82 High School Diploma
Mackin Catholic High School
Archdiocese of Washington
Washington, D.C.

PROFESSIONAL EXPERIENCE:

- 7/11-present Associate Professor (Tenured)
- 7/04-6/11 Assistant Professor (Tenure Track)
- 1/98-04 Assistant Professor
Howard University
College of Medicine
Department of Microbiology
Washington, D.C.
- 7/12-present Director
Medical Student Research
Howard University College of Medicine
- 1/99-present Member
Howard University Graduate Faculty
- 2/96-1/98 Staff Fellow
National Institute of Dental and Craniofacial Research, NIH
Craniofacial and Skeletal Disease Branch
Protein Chemistry
Bethesda, MD

- 2/93-2/96 Intramural Research Training Award Post-Doctoral Fellow
 National Institute of Dental Research, NIH
 Bone Research Branch
 Bethesda, MD
- 7/87-1/93 Graduate Assistant
 Waksman Institute of Microbiology
 Microbial Development
 Rutgers University
 Piscataway, NJ
- 6/91-7/91 Lecturer
 Biochemistry
 Special Teaching Project
 University of Medicine and Dentistry of New Jersey
 Robert Wood Johnson Medical School
 (Presently, Rutgers Medical School)
 Piscataway, NJ
- 8/86-9/86 Microbiologist
 National Institute of Dental Research, NIH
 Bone Research Branch
 Protein Chemistry Section
 Bethesda, MD.
- 2/85-7/86 Biological Aid (Microbiology)
 National Institute of Dental Research, NIH
 Bone Research Branch
 Protein Chemistry Section
 Bethesda, MD
- 5/84-9/84 Biological Aid (Microbiology)
 National Eye Institute, NIH
 Laboratory of Ophthalmic Pathology
 Section on Ophthalmic Pathology
 Bethesda, MD.
- 5/81-5/82 Research Laboratory Assistant
 Howard University College of Medicine
 Department of Microbiology
 Medical Mycology Division
 Washington, D.C.

Genomic Database Submissions (GenBank):

Accession No. AY775778 (2004)
Bacillus subtilis strain BFAS 16S ribosomal RNA gene, partial sequence

Abstracts:

1. Gehron Robey, P., Findlay, D.M., Young, M.F., Beresford, J.N., Stubbs, J.T., Fisher, L.W., and Termine, J.D. (1986) Regulation of Osteonectin Production By 1,25 Dihydroxy Vitamin D3 in Human Bone Cells. *J. Bone Min. Res.* 1 (Suppl. 1), 228
2. Stubbs, J.T., Mintz, K.P., Eanes, E.D., Torchia, D.A., and Fisher, L.W. (1994) Structure-function studies on native and recombinant bone sialoprotein fragments. *J. Bone Min. Res.* 9 (Suppl. 1), S315
3. Stubbs III, J.T., Eanes, E.D., and Fisher, L.W. (1995) The use of native and recombinant fragments to delineate non-RGD cell attachment domains and mineral-binding domains of bone sialoprotein. *J. Bone Min. Res.* 10 (Suppl. 1), S432
4. Stubbs, J.T., Eanes, E.D., Mintz, K.P., and Fisher, L.W. (1995) The hydroxyapatite crystal growth inhibition properties of bone sialoprotein (and possibly osteopontin) are due to post-translational modifications. (5 th International Conference on the Chemistry and Biology of Mineralized Tissues - Kohler, Wisconsin)
5. Stubbs, J.T. and Fisher, L.W. (1995) BSP contains several RGD-independent cell attachment domains, one of which may delineate a larger "binding pocket" in the integrin-binding region. (5 th International Conference on the Chemistry and Biology of Mineralized Tissues - Kohler, Wisconsin)
6. Benayahu, D., Fisher, L.W., Stubbs, J.T., and Gehron Robey, P. (1996) A novel protein expressed by marrow stromal cells. *J. Bone Min. Res.* 11 (Suppl. 1), S392
7. Sung, V., Stubbs, J., Aaron, A., and Thompson, E. (1996) The role of bone sialoprotein in proliferation of MDA-MB-231 human breast cancer cells. (88 th Annual Meeting of the American Association for Cancer Research)
8. Sung, V., Stubbs, J., Fisher, L., Aaron, A., and Thompson, E. (1996) The role of bone sialoprotein in proliferation of MDA-MB-231 human breast cancer cells. (43 rd. Annual Meeting, Orthopaedic Research Society)
9. Young, M., Mankani, M., Kutznetsov, S., Majolagbe, A., Fisher, L., Sommer, B., Wallace, J., Liang, J., Stubbs, J., Gehron Robey, P., and O'Connell, B. (1998) Over-expression of human bone sialoprotein leads to changes in cell shape. *Matrix* 98. East Coast Connective Tissue Society Meeting.
10. Stubbs III, J.T. (1998) The two RGD-independent cell attachment domains in bone sialoprotein are encoded by two conserved tyrosine rich domains. Howard University Medical Center Scientific Forum
11. Wiggins, L. and Stubbs, J. (1999) Examination of bone sialoprotein -*Escherichia coli* adhesion. McNair Summer Research Program. Howard University Graduate School
12. Wiggins, L. and Stubbs, J. (2000) Examination of bone sialoprotein -*Escherichia coli* adhesion. Graduate Research Symposium. Howard University.

Abstracts (Cont.):

13. Stubbs, J.T., Rankin, M., and Alam, Z. (2000) Human prostate cancer cells adhere to bone sialoprotein. *J. Bone Min. Res.* 15 (Suppl. 1), S106
14. J. Stubbs, M. Rankin, Z. Alam. (2003) Bone sialoprotein facilitates the adhesion of human prostate cancer cells. *Proceedings of The American Association for Cancer Research Vol. 44*, 936
15. Berkeley, L., Kassim, O., Day, A., Kittles, R., Austin, W., Frederick, L., Stubbs, J. (2004) Phenotypic, Biochemical and Phylogenetic Characterization of HU-Biol-1 an Antifungal Producing Bacterium. 104 th General Meeting of the American Society for Microbiology. New Orleans, Louisiana
16. Stubbs III, J. (2004) Effects of bone sialoprotein upon human prostate cancer cells. 2004 Annual Meeting of the American Society for Biochemistry and Molecular Biology. Boston, Massachusetts
17. Stubbs III, J and Kifle B (2005) Bone sialoprotein interactions with prostate cancer cells. The Gordon Research Conference on Small Integrin Binding Proteins, Big Sky, Montana.
18. H. Liu, Y. T. Tesema, J. Stubbs III, D. Raghavan (2005) In vitro degradation of porous PHBV film. Number 611. *Polymers for Bioactive Surfaces*. Co-sponsored by The Division of Polymer Chemistry (POLY) and The Division of Biological Chemistry (BIOL). American Chemical Society National Meeting. Washington, DC
19. K. Ayikoe, L. Moore, J. Stubbs III, O. Wilson, D. Raghavan (2008) Nanoparticle Encapsulated Biodegradable PHBV for Bone Tissue Engineering. Howard Nanotechnology Symposium 2008 November 20-21, 2008
20. RS Brown, RL Bernor, J Stubbs III, T Feimster. (2010) Howard University College of Dentistry CCI Project Howard University College of Dentistry, Washington, DC. 2010 American Dental Education Association Annual Meeting, National Harbor, MD *Journal of Dental Education* Feb. 2010 199-200
21. Tadasha E. Culbreath, and John Stubbs III (2010) Antibacterial Potential of an Amorphous Calcium Phosphate Orthodontic Adhesive. 2010 Annual Meeting of The American Association of Dental Research, Washington, DC
22. Almaz A. Gebregeorgis¹, Kouassi Ayikoe¹, John Stubbs III² and Dharmaraj Raghavan¹ (2011) ¹Chemistry, Howard University, Washington, DC, District of Columbia; ²Microbiology, Howard University, Washington DC, District of Columbia. Efficacy of Silver Nanoparticles against Microbial Pathogens. Symposium GG: Safety and Toxicity Control of Nanomaterials. Abstract GG4.16. 2011, Materials Research Society Fall Meeting & Exhibit November 28 - December 2, 2011, Hynes Convention Center, Boston, MA
23. C. A. Knight (1), L. Frederick (2), L. Austin (1), R. Michelin (3), J. Stubbs (1), A. Day (1), J. Davidson (2)(1) Howard University, Washington, DC, U.S.A.; (2) Tuskegee University, Tuskegee, AL, U.S.A.; (3) Morgan State University, Baltimore, MD, U.S.A. (2013) Black-pigmented strain of *Bacillus* with potential biocontrol capabilities. *Phytopathology* 103 (Suppl. 2): S2.74 _
https://www.apsnet.org/meetings/Documents/2013_Meeting_Abstracts/aps2013abP150.htm
24. Almaz Gebregeorgis¹, John Stubbs² and Dharmaraj Raghavan¹; ¹Department of Chemistry, Howard University, Washington, District of Columbia; ²Department of Microbiology, Howard University College of Medicine, Washington, District of Columbia.
MTS Assay for Evaluating the Antimicrobial Efficacy of Ag/BSA Nanoparticles.
Abstract F3.18 2013, Materials Research Society Fall Meeting & Exhibit, December 1-6, 2013, Boston, MA

Abstracts (Cont.):

25. Rotimi Bakare¹, Chandra Bhan¹, John Stubbs² and Dharmaraj Raghavan¹; ¹Department of Chemistry, Howard University, Washington, District of Columbia; ²Department of Microbiology, Howard University College of Medicine, Washington, District of Columbia. Formulation of Ag/BSA Nanoparticles Adsorbed Collagen Grafted PHBV Scaffold for Potential Use in Joint Arthroplasty. Abstract H5.05 2013, Materials Research Society Fall Meeting & Exhibit, December 1-6, 2013, Boston, MA
26. R. Bakare, L. Wells, N. McLennon, M. Singh, J. Stubbs III*, and D. Raghavan. Study of Antimicrobial Properties of Silver Chloride/ Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (AgCl/PHBV) Composite: A Potential Scaffold for Bone Tissue Regeneration. 2015 249th American Chemical Society National Meeting & Exposition, March 22-26, 2015, • Denver, CO • Chemistry of Natural Resources
27. Rotimi Bakare, John Stubbs III, Dharmaraj Raghavan. Ag/BSA Nanoparticles Loaded Collagen Grafted PHBV Scaffold: Antimicrobial and Cytotoxicity Evaluation. Oral presentation. 2015 Howard University Research Symposium.
28. Marai Hayes, Rotimi Bakare, Lauren Wells, Negene McLennon, Manisha Singh, John Stubbs III, Dharmaraj Raghavan Antimicrobial and Cytotoxicity study of Silver Chloride/Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (AgCl/PHBV) Film: A Potential Scaffold for Bone Tissue Regeneration. Oral Presentation. 2015 Howard University Research Symposium.
29. Kathryn Miller, Olufolasade Atoyebi, Almaz Ambaye, John Stubbs III, Dharmaraj Raghavan. Anti-microbial effects of BSA capped Silver (Ag/BSA) Nanoparticles and Poly (3- hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) Encapsulated Ag/BSA Nanoparticles. Poster presentation. 2019 Howard University Research Symposium.

Publications:

1. Gehron Robey, P., Fisher, L.W., Stubbs, J.T., and Termine, J.D. (1987) Biosynthesis of Osteonectin and a Small Proteoglycan (PG-II) By Connective Tissues Cells In Vitro. In UCLA Symposia on Molecular and Cellular Biology, New Series, (Sen, A. and Thornhill, T. eds) vol. 46, pp. 115-125, Alan R. Liss Inc. New York
2. Fisher, L.W., Stubbs III, J.T. and Young, M.F. (1995) Antisera and cDNA probes to human and animal model noncollagenous proteins of bone matrix. *Acta. Orthop. Scand.* (Suppl 266), 66:61-65_ <http://www.tandfonline.com/doi/pdf/10.3109/17453679509157649>
3. Stubbs III, J.T. (1996) The generation and use of recombinant human bone sialoprotein and osteopontin for hydroxyapatite studies *Connect. Tiss. Res.* 35: 393-399_ <http://www.tandfonline.com/doi/abs/10.3109/03008209609029217>
4. Stubbs III, J.T., Mintz, K.P., Eanes, E.D., Torchia, D.A., and Fisher, L.W. (1997) Characterization of native and recombinant bone sialoprotein: delineation of the mineral-binding and cell adhesion domains and structural analysis of the RGD domain. *J. Bone Min. Res.* 12:1210-1222_ <http://onlinelibrary.wiley.com/doi/10.1359/jbmr.1997.12.8.1210/full>
5. Sung, V., Stubbs, J., Fisher, L., Aaron, A., and Thompson, E. (1998) Bone sialoprotein supports breast cancer adhesion proliferation and migration through differential usage of the avb3 and avb5 integrins. *J. Cell. Physiol.* 176:482-494 [http://onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1097-4652\(199809\)176:3%3C482::AID-JCP5%3E3.0.CO;2-K/pdf](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1097-4652(199809)176:3%3C482::AID-JCP5%3E3.0.CO;2-K/pdf)
6. Tesema, Y., Raghavan, D., and Stubbs III, J. (2004) A comparative Study of Bone Cell Viability on Collagen Immobilized Porous and Non-porous Poly (hydroxy) Butyrate Valerate Films. *Mat. Res. Soc. Symp. Proc.* Vol. EXL-1 pp. F5.15.1-F5.15.3
7. Tesema, Y., Raghavan, D., and Stubbs III, J. (2004) Bone Cell Viability on Collagen Immobilized Poly (hydroxyl) Butyrate Valerate. *J. App. Polymer Sci.* 93: 2445-2453
8. Tesema, Y., Raghavan, D., and Stubbs III, J. (2005) Bone Cell Viability on Methacrylic Acid Grafted and Collagen Immobilized Porous Poly (3-hydroxybutyrate-co-3-hydroxyvalerate). *J. App. Polymer Sci.* 98:1916-1921
9. Raghavan D., Liu H, and Stubbs III, J. (2007) Evaluation of Biological Response of UMR-106 Cells to Porous PHBV Matrix. *Mat. Res. Soc. Symp. Proc.* Vol. 950. 0950-D15-06
10. Liu H., Raghavan D, and Stubbs III, J. (2007) Evaluation of Biological Response of Osteoblast-like UMR-106 Cells to Porous PHBV Matrix. *J. Biomed. Mater. Res. A.* 81A:669-677_ <http://onlinelibrary.wiley.com/doi/10.1002/jbm.a.31101/full>
11. Hui L, Raghavan D, Melaku S, Stubbs III, J (2010) Biological response of osteoblast-like UMR-106 cells to the modified PHBV matrix - Effects of porosity and collagen dip coating. *J. Biomed. Mater. Res. A.* 92A:922-930_ <http://onlinelibrary.wiley.com/doi/10.1002/jbm.a.32427/full>

Publications (Cont.):

12. Hui Liu, M. Pancholi, J Stubbs III, D. Raghavan. (2010) Influence of hydroxyvalerate composition of Polyhydroxy butyrate valerate (PHBV) copolymer on bone cell viability and in vitro degradation. *J. App. Polymer Sci.* 116:3225-3231
<http://onlinelibrary.wiley.com/doi/10.1002/app.31915/full>
13. Peters SM., Yancy H., Bremer E., Monroe J., Paul D., Stubbs III JT, Myers MJ. (2011) *In vitro* identification and verification of inflammatory biomarkers in swine. *Veterinary Immunology and Immunopathology*. Volume 139, Issue 1, Pages 67–72.
<http://www.sciencedirect.com/science/article/pii/S0165242710002795>
14. Sharla M. Peters^{a, c}, Haile Yancy^a, Christine Deaver^a, Yolanda L. Jones^a, Elizabeth Kenyon^a, Oscar A. Chiesa^a, Juan Esparza^a, Rudell Screven^a, Vicki Lancaster^b, John T. Stubbs III^c, Maocheng Yang^a, Paddy L. Wiesenfeld^d, and Michael J. Myers^a (2012) *In Vivo* Characterization of Inflammatory Biomarkers in Swine and the Impact of Flunixin Meglumine Administration. *Veterinary Immunology and Immunopathology*. Volume 148, Issues 3–4, Pages 236–242
<http://www.sciencedirect.com/science/article/pii/S0165242712001365>
15. Rotimi Bakare, Samantha Hawthorne, Carmen Vails⁺⁺, Ayele Gugssa⁺⁺, Alamagir Karim^{****}, John Stubbs III⁺, and Dharmaraj Raghavan^{*} (2016) Antimicrobial and Cell Viability Measurement of Bovine Serum Albumin Capped Silver Nanoparticles (Ag/BSA) Loaded Collagen Immobilized Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) Film. *Journal of Colloid & Interface Science*. Volume 465, Pages 140-148
<http://www.sciencedirect.com/science/article/pii/S0021979715303519>
16. Zewde B, Ambaye A, Stubbs J III, Dharmara R (2016) A Review of Stabilized Silver Nanoparticles – Synthesis, Biological Properties, Characterization, and Potential Areas of Applications. *JSM Nanotechnol Nanomed* 4(2): 1043.
<https://www.jsimedcentral.com/Nanotechnology/nanotechnology-4-1043.pdf>
17. Rotimi Bakare, Lauren Wells, Negene McLennon, Manisha Singh, Ayele Gugssa, John Stubbs III Berhanu Zewde, Dharmaraj Raghavan. (2017) Formulation of silver chloride/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (AgCl/PHBV) films for potential use in bone tissue engineering. *Journal of Applied Polymer Science* Volume 134, Issue 31:45162 <https://onlinelibrary.wiley.com/doi/full/10.1002/app.45162>

Grants Support:

SO6 GM 08016-32 NIGMS SCORE

(Program Director):

George Littleton, Ph.D.

(Investigator):

John T. Stubbs III, Ph.D.

Source: Department of Health and Human Service

Title of Project: Effects of extracellular matrix proteins on prostate cancer cells

Dates of Approved Project: 9/1/02-7/31/06

BC004071 (Principal Investigator):

Agnes A. Day, Ph.D.

(Co-Investigator):

John T. Stubbs III, Ph.D.

Source: Department of Defense

Title of Project (and/or Subproject):

Breast Cancer in African American Women: Molecular analysis of differences in incidence and outcomes

Dates of Approved Project: 9/1/01 - 8/30/05

5T35AI007616-10

Source: NIAID/ NIH (Principal Investigator): John Stubbs,

Ph.D. Title of Project: STD/HIV Research Training for Minority

Students Dates of Approved Project: 9/1/08-8/31/10

2017

Project Title: " Small Equipment: SpectraMax Paradigm Plate Reader"

HUCM 2017 Small Equipment Program

Co-Investigators:

Drs. Tang, Thompson, and Kassim

Submitted: June 2015

Project Title: Biomedical Sciences Research Academy: Using Research to Increase Interest in STEM Careers

Principal Investigator:

Marilyn M. Irving, Ed-D.

Co-Investigators:

Izolda Foiyyeva, Ph.D.

Priscilla Okunji, Ph.D.

Mark Johnson, M.D.

Dexter Lee. Ph.D.

Georges Haddad, Ph.D.

John T. Stubbs III, Ph.D.

Collaborations:

A. Day, Ph.D.

Howard University College of Medicine

K. Thompson, Ph.D.

Howard University College of Medicine

P. Wang, Ph.D.

Howard University College of Medicine

D. Raghavan, Ph.D.

Dept. of Chemistry

Howard University College of Arts and Sciences

G. Kaur, Ph.D.

Dept. of Chemistry

Howard University College of Arts and Sciences

Yael Schenker, M.D., MAS, FAAHPM

Professor of Medicine

Director, Palliative Research Center (PaRC)

Associate Director, Research Education, Training and Career Development, UPMC Hillman Cancer Center

University of Pittsburgh

Doris Rubio, Ph.D.

Assistant Vice Chancellor for Clinical Research Education and Training, Health Sciences

Professor of Medicine, of Biomedical Informatics, of Biostatistics, of Nursing, and of Clinical and Translational Science

Director, Institute for Clinical Research Education

University of Pittsburgh

Cancer Research Equity (CARE) Program at the University of Pittsburgh

Terrance Mayes, Ed.D.

Associate Dean and Executive Director for Strategy, Equity, and Inclusion Stanford Medicine

Hannah Valentine, M.D.

Faculty Co-Director REACH-HBMC Visiting Student Exchange Program Stanford Medicine

Abraham Verghese, M.D., MACP

Faculty Co-Director REACH-HBMC Visiting Student Exchange Program Stanford Medicine

Judith Ned, Ed.D.

Director of HBCU Partnership, Engagement and Strategy, Stanford Medicine

M. Myers, Ph.D.

U.S. Food and Drug Administration

O. Wilson Jr., Ph.D.

Dept. of Biomedical Engineering

Catholic University of America

Professional Membership:

Sigma Xi

The American Association for Cancer Research

AACR

The American Society for Cell Biology

ACB

American Society for Microbiology

ASM

American Society for Biochemistry and

Molecular Biology

ASBMB

American Dental Education Association

ADEA

Professional Academic Honors /Awards:

- | | |
|-----------|---|
| 1982-1986 | Frederick Douglas Scholar
The American University
Washington, DC |
| 5/86 | B.S. Microbiology <i>Cum Laude</i>
The American University
Washington, D.C.

Phi Kappa Phi Honor Society
The American University
Washington, D.C. |
| 1986-1990 | Minority Advancement Program (MAP) Fellow
Graduate School - New Brunswick
Rutgers, The State University of New Jersey |
| 1990-1993 | Graduate Research Assistant
Waksman Institute of Microbiology
Rutgers, The State University of New Jersey |
| 10/95 | Young Investigator Award
Fifth International Conference on the
Chemistry and Biology of Mineralized Tissues |
| 4/00 | Distinguished Alumni Award
Multicultural Affairs and International Student Services
The American University |
| 8/02 | Historically Black Colleges and Universities Faculty Scholar Award
American Association for Cancer Research |
| 2/14 | Outstanding Lecturer Award, Howard University Student Council
Annual Honors and Awards Ceremony
Howard University College of Dentistry |
| 9/15 | Certificate of Recognition
The American University Black Alumni Alliance and
The American University Washington College of Law
Black Alumni Association
The American University |
| 4/16 | Outstanding Lecturer Award, Howard University Student Council
Annual Honors and Awards Ceremony
Howard University College of Dentistry |

TEACHING EXPERIENCE:

Nursing Undergraduate

Provided lectures in bacterial physiology and the classification of bacteria, fungi, and parasites for nursing students

Fall 99	Microbiology in Disease and Health- Nursing
Fall 00	Microbiology in Disease and Health- Nursing
Fall 01	Microbiology in Disease and Health- Nursing
Fall 02	Microbiology in Disease and Health- Nursing
Fall 04	Microbiology in Disease and Health- Nursing
Fall 05	Microbiology in Disease and Health- Nursing
Fall 06	Microbiology in Disease and Health- Nursing
Fall 07	Microbiology in Disease and Health- Nursing
Fall 08	Microbiology in Disease and Health- Nursing
Fall 09	Microbiology in Disease and Health- Nursing
Fall 10	Microbiology in Disease and Health- Nursing
Fall 11	Microbiology in Disease and Health- Nursing
Fall 12	Microbiology in Disease and Health- Nursing
Fall 13	Microbiology in Disease and Health- Nursing
Fall 14	Microbiology in Disease and Health- Nursing
Fall 15	Microbiology in Disease and Health- Nursing
Fall 16	Microbiology in Disease and Health- Nursing
Fall 17	Microbiology in Disease and Health- Nursing
Fall 18	Microbiology in Disease and Health- Nursing
Fall 19	Microbiology in Disease and Health- Nursing
Fall 20	Microbiology in Disease and Health- Nursing
Fall 21	Microbiology in Disease and Health- Nursing
Fall 22	Microbiology in Disease and Health- Nursing

Pharmacy Professional

Provided lectures in microbial structure and pathogenic bacteriology, assisted with lab exercises for 60 pharmacy students

Fall 98	903-112 General Microbiology
Fall 99	903-112 General Microbiology
Fall 00	903-112 General Microbiology
Fall 01	903-112 General Microbiology
Fall 02	903-112 General Microbiology
Fall 03	903-112 General Microbiology
Fall 04	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 05	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 06	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 07	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 08	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 09	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 10	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 11	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 12	903-112 Biomedical Sciences II (Microbiology/Biochemistry)
Fall 13	903-112 General Microbiology

Dental Professional

Coordinated 14-week class lecture, lab, quiz, and examination schedules for 60-70 dental students.

Provided lectures in microbial structure, pathogenic bacteriology, and dental microbiology

Directed laboratory exercises in pathogenic microbiology.

Conducted electronic examinations via ExamSoft and delivered class notes, power point presentations, and final grades via Blackboard, Canvas, and Banner Web based systems

Spring 98	903-175 Microbiology-Immunology Freshmen
Spring 99	903-175 Microbiology-Immunology Freshmen
Spring 00	903-175 Microbiology-Immunology Freshmen
Spring 01	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Spring 02	903-175 Microbiology Immunology (Course Co-coordinator) Freshmen
Spring 03	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Spring 04	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Spring 05	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Spring 06	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Fall 07	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Fall 08	903-175 Microbiology Immunology (Course Coordinator) Sophomore
Fall 09	903-175 Microbiology Immunology (Course Coordinator) Sophomore
Fall 10	903-175 Microbiology Immunology (Course Coordinator) Sophomore
Fall 11	903-175 Microbiology Immunology (Course Coordinator) Sophomore
Spring13	903-175 Microbiology Immunology (Course Coordinator) Freshmen
Spring13	903-175 Microbiology Immunology (Course Coordinator) Sophomore
Spring14	DENT11201201401 Microbiology Immunology (Course Coordinator) Freshmen
Spring15	DENT11201201501 Microbiology Immunology (Course Coordinator) Freshmen
Spring16	DENT11201201601 Microbiology Immunology (Course Coordinator) Freshmen
Spring17	DENT11201201701 Microbiology Immunology (Course Coordinator) Freshmen
Spring18	DENT11201201801 Microbiology Immunology (Course Coordinator) Freshmen
Spring19	DENT11201201901 Microbiology Immunology (Course Coordinator) Freshmen
Spring 20	DENT11201202001 Microbiology Immunology (Course Coordinator) Freshmen
Spring 21	DENT11201202101 Microbiology Immunology (Course Coordinator) Freshmen
Spring 22	DENT11201202201 Microbiology Immunology (Course Coordinator) Freshmen
Spring 23	DENT11201202201 Microbiology Immunology (Course Coordinator) Freshmen

Medical Professional

Provided lectures on bacterial genetic regulation for 120 freshmen medical students

Provided lectures on mycology to 100 sophomore medical students

Facilitated Pathogenic Micro lab exercises, Bacterial physiology/genetics, Immunology discussion groups

Facilitated Gastrointestinal system OS5, Central nervous system OS6, General Principles OS1 discussion groups

Spring 98 903-171 Immunology - Medical Microbiology and Infectious Diseases Lab/Group

Spring 99 903-171 Immunology - Medical Microbiology and Infectious Diseases Lab/Group

Spring 00 903-171 Immunology - Medical Microbiology and Infectious Diseases Lab/Group

Spring 01 903-171 Immunology - Medical Microbiology and Infectious Diseases Lab/Group

Fall 05 Molecules and Cells Unit 2- Medical

Fall 06 Molecules and Cells Unit 2- Medical

Fall 07 Molecules and Cells Unit 2- Medical

Fall 08 Molecules and Cells Unit 2- Medical

Fall 09 Molecules and Cells Unit 2- Medical

Spring10 Central Nervous System- OS6- Medical

Fall 10 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring11 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 11 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring12 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 12 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring13 Central Nervous System- OS6- Medical

Fall 13 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 14 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 14 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 15 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 15 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 16 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 16 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 17 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 17 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 18 Central Nervous System- OS6- Medical

Gastrointestinal system OS5- Medical

Fall 18 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical

Spring 19 Gastrointestinal system OS5- Medical

Fall 19 Molecules and Cells Unit 2- Medical

General Principles-OS1 Microbiology- Medical Mycology

Respiratory OS-3 – Medical Mycology lecture

Spring 20 Gastrointestinal system OS5- Fungal toxins lecture/Small

Group Central Nervous System- OS6- Medical Small Group

Medical Professional (Cont.)

Provided lectures on bacterial genetic regulation for 120 freshmen medical students

Provided lectures on mycology to 100 sophomore medical students

Facilitated Pathogenic Micro lab exercises, Bacterial physiology/genetics, Immunology discussion groups

Facilitated Gastrointestinal system OS5, Central nervous system OS6, General Principles OS1 discussion groups

Fall 20	Molecules and Cells Unit 2- Medical General Principles-OS1 Microbiology- Medical Mycology Respiratory OS-3 – Medical Mycology lecture
Spring 21	Gastrointestinal system OS5- Fungal toxin lecture/Small Group Central Nervous System- OS6- Medical Small Group
Fall 21	Molecules and Cells Unit 2- Med Microbial Genetics/Gene Reg lecture/Small Group General Principles-OS1 Microbiology- Medical Mycology lecture Respiratory OS-3 – Medical Fungal Pathogens lecture
Spring 22	Gastrointestinal system OS5- Medical Fungal toxins lecture/Small Group Central Nervous System- OS6- Medical Small Group
Fall 22	Molecules and Cells Unit 2- Med Microbial Genetics/Gene Reg lecture/Small Group General Principles-OS1 Microbiology- Medical Mycology lecture Respiratory OS-3 – Medical Fungal Pathogens lecture
Spring 23	Gastrointestinal System OS5- Medical Fungal toxins lecture/Small Group

Graduate Program in Microbiology

Provided lectures/literature focused discussions on biological molecules, microbial structures, bacterial cell adhesion, exotoxins, eukaryotic cell adhesion, and biochemical, genetic, and cellular experimental approaches.

Fall 98	231-300 Biology of Pathogens I 231-305 Cell Biology- Graduate
Spring 99	231-300 Biology of Pathogens II 231-413 Cell and Molecular Biology
Fall 99	231-300 Biology of Pathogens I 231-305 Cell Biology- Graduate
Spring 00	231-300 Biology of Pathogens II 231-413 Cell and Molecular Biology
Fall 00	231-300 Biology of Pathogens I
Spring 01	231-300 Biology of Pathogens II 231-413 Cell and Molecular Biology
Fall 01	231-300 Biology of Pathogens I
Spring 02	231-300 Biology of Pathogens II 231-413 Cell and Molecular Biology
Fall 02	231-300 Biology of Pathogens I Special Topics
Spring 03	231-300 Biology of Pathogens II
Fall 03	231-305 Cell Biology
Fall 04	231-300 Biology of Pathogens I
Spring 05	231-300 Biology of Pathogens II 231-305 Cell Biology
Fall 05	231-300 Biology of Pathogens I
Spring 06	231-300 Biology of Pathogens II
Spring 07	231-305 Cell Biology 231-413 Cell and Molecular Biology
Fall 07	231-300 Biology of Pathogens I
Spring 08	231-305 Cell Biology 231-300 Biology of Pathogens II Special Topics in Microbiology
Fall 09	231-300 Biology of Pathogens I

Curriculum Vitae

Spring 10	231-300 Biology of Pathogens II 231-305 Cell Biology
Spring 11	231-305 Cell Biology
Fall 11	231-300 Biology of Pathogens I
Spring 12	231-300 Biology of Pathogens II
Fall 12	231-300 Biology of Pathogens I

Graduate Program in Microbiology (Cont.)

Provided lectures/literature focused discussions on biological molecules, microbial structures, bacterial cell adhesion, exotoxins, eukaryotic cell adhesion, and biochemical, genetic, and cellular experimental approaches

Spring 13	231-300 Biology of Pathogens II 231-305 Cell Biology
Fall 13	231-300 Biology of Pathogens I
Spring 13	231-305 Cell Biology
Fall 14	231-300 Biology of Pathogens I
Spring 15	231-305 Cell Biology 231-300 Biology of Pathogens II
Fall 15	231-300 Biology of Pathogens I
Spring 16	231-305 Cell Biology 231-300 Biology of Pathogens II
Fall 16	231-300 Biology of Pathogens I
Spring 17	231-305 Cell Biology 231-300 Biology of Pathogens II
Fall 19	231-300 Biology of Pathogens I
Spring 20	231-300 Biology of Pathogens II
Fall 20	231-300 Biology of Pathogens I
Spring 21	231-305 Cell Biology 231-300 Biology of Pathogens II
Fall 21	231-300 Biology of Pathogens I
Spring 22	MICR 418 01 Special Topics in Microbiology
Fall 22	231-300 Biology of Pathogens I
Spring 23	231-305 Cell Biology 231-300 Biology of Pathogens II

Graduate Student Dissertation Academic Advises:

1. Dr. Lynette Y. Berkeley
Ph.D. Microbiology May 2004 (Advisor)
2. Dr. Nicolas Epie
Ph.D. Microbiology May 2006 (Co-Advisor with Dr. W. Turner)
3. Dr. Karl Thompson
Ph.D. Microbiology May 2006 (Co-Advisor with Dr. Susan Gottesman, NIH)
4. Dr. Sharla Peters
Ph.D. Microbiology May 2011 (Co-Advisor with Dr. M. Myers, FDA)
5. Dr. Douglas Mansell
Ph.D. Microbiology Dec 2017 (Co-Advisor with Dr. Robert Freishtat,
Children's National Medical Center,
Washington, DC)

Graduate Dissertation Committee Membership:

6. Dr. Sandra Watson
Ph.D. Physiology and Biophysics May 2003
7. Dr. Choice A. Nwachuku
Ph.D. Biology May 2003
8. Dr. Ava Marrow
Ph.D. Biology May 2004
9. Dr. Cheryl Rust
Ph.D. Physiology and Biophysics May 2004
10. Dr. Michell P. Law
Ph.D. Microbiology May 2005
11. Dr. Tamera Tatum-Broughton
Ph.D. Microbiology May 2007 (Committee Chair)
12. Dr. Jacqueline Mason
Ph.D. Microbiology May 2007 (Committee Chair)
13. Dr. Alvin Smith
Ph.D. Microbiology May 2007 (Committee Chair)
14. Dr. Aliyah Spruill-Muhammad
Ph.D. Microbiology May 2007 (Committee Chair)
15. Dr. Michael A. Smith
Ph.D. Microbiology May 2007
16. Dr. Hu Lui
Ph.D. Chemistry May 2008
17. Dr. Munier M. Abbas
Ph.D. Microbiology May 2008
18. Dr. Ayo P. Doumatey
Ph.D. Microbiology May 2008 (Committee Chair)

Graduate Dissertation Committee Membership (Cont.):

19.	Dr. Douglass F. White Ph.D. Microbiology	May 2008 (Committee Chair)
20.	Dr. Altreisha N.S. Foster Ph.D. Microbiology	May 2010 (Committee Chair)
21.	Dr. Chazman Jackson Ph.D. Microbiology	May 2010
22.	Dr. Mohammad R. Darempouran Ph.D. Genetics and Human Genetics	May 2010
23.	Dr. Bradford Wilson Ph.D. Genetics and Human Genetics	May 2011
24.	Dr. Ibrahim Laniyan Ph.D. Microbiology	May 2011 (Committee Chair)
25.	Dr. Erica Jones-Foster Ph.D. Microbiology	May 2011
26.	Dr. Shantelle Lucas Ph.D. Microbiology	May 2011 (Committee Chair)
27.	Dr. Denitra Breuer Ph.D. Microbiology	May 2012 (Committee Chair)
28.	Dr. Whitney LaCora Barfield Ph.D. Microbiology	Dec 2013 (Committee Chair)
29.	Dr. Ashley Parker Ph.D. Microbiology	May 2014 (Committee Chair)
30.	Dr. Christina Johnson Ph.D. Microbiology, M.D.	May 2014 (Committee Chair)
31.	Dr. Kimberly Mason Ph.D. Microbiology	May 2014 (Committee Chair)
32.	Dr. Dwann Davenport Ph.D. Microbiology	May 2014
33.	Dr. Ezra Hackett Ph.D. Microbiology	July 2014 (Committee Chair)
34.	Dr. Chinyere Knight Ph.D. Microbiology	Dec 2014 (Committee Chair)
35.	Dr. Laricca Y London-Thomas Ph.D. Microbiology	May 2015 (Committee Chair)
36.	Dr. Almaz Ambaye Ph.D. Chemistry	Dec 2015

Graduate Dissertation Committee Membership: (Cont.)

37.	Dr. Rotimi Bakare Ph.D. Chemistry	Dec 2015
38.	Dr. Christine A. Clarke Ph.D. Microbiology	May 2016
39.	Dr. Aliza Ibad Ph.D. Microbiology	June 2017 (Committee Chair)
40.	Dr. Abrar Aloufi Ph.D. Microbiology	Dec 2019 (Committee Chair)
41.	Dr. Ahmed Kabrah Ph.D. Microbiology	May 2020 (Committee Chair)
42.	Dr. Mohammed Abdulrahman A Asiri Ph.D. Microbiology	Dec 2020 (Committee Chair)
43.	Dr. Amer Al Ali Ph.D. Microbiology	May 2021
44.	Dr. Joseph Aubee Ph.D. Microbiology	May 2022 (Committee Chair)
45.	Mr. Dongxiao Lui Microbiology Ph.D. Candidate	2023 Current committee member
46.	Ms. Jamilah Alsulami Microbiology Ph.D. Candidate	2023 Current committee member

Departmental Committee Membership:

Graduate Admission Committee 2000-2015

Reviewed and evaluated applications for admission to the graduate microbiology program in consultation with other admission members

Coordinated admission evaluations with HU Graduate School

Curriculum Committee Membership 2000-2015

Provided logistical/schedule planning of the new dental microbiology Fall 2007 course in consultation with department faculty, chair, and academic deans of the medical / dental schools

Off-Campus Research Committee 2000-2015

Provided leadership in the structuring and documentation of external graduate research experiences conducted by microbiology graduate students

Qualifying Examination Review Committee

Assisted in the discussion, formulation, vetting and documentation of the new graduate program qualifying examination guidelines

Development-Professional Meetings:

1. Proteases, Extracellular Matrix, and Cancer: An AACR Special Conference in Cancer Research
Hilton Head Island, SC
October 9-13, 2002
2. American Association for Cancer Research Annual Meeting
Washington, DC
June 2003
3. American Society for Biochemistry Molecular Biology Annual Meeting
Boston, MA
June 2004
4. American Dental Education Association Annual Session and Exhibition
Baltimore, MD
March 2005
5. American Society for Microbiology Annual Meeting
Atlanta, GA,
June 2005
6. The Gordon Research Conference on Small Integrin Binding Proteins
Big Sky, Montana.
September 2005
7. Breast Cancer HBCU/MI Partnership Training Award Reverse Site Visit Meeting
April 12-13, 2006, Baltimore, MD
8. The Middle-Atlantic Regional Center of Excellence for Bio-defense and Emerging Infectious
Diseases Research (MARCE) Conference.
Uniformed Services University of Health Sciences
Bethesda, Maryland. February 27, 2007
9. American Dental Education Association (ADEA) Annual Session and Exhibition
ADEA Symposium: Integration of the Perio-Systemic Connection Into the
Dental and Dental Hygiene Curriculum.
New Orleans, LA
March 17-21, 2007
10. American Dental Education Association CCI Liaison Meeting
Assessment of Student Search and Critical Appraisal Skills
2008 ADEA CCI Workshop at Chicago, IL
June 23-24, 2008
11. EXAMSOFT Electronic Testing and Evaluation Training
Howard University Dental School
SofTeach Instruction Modules on Electronic Exam Creation and Evaluation
Fall 2008-Fall 2009

Development-Professional Meetings:

12. American Dental Education Association Annual Session and Exhibition
ASSESSMENT: Portraits of Change, 87th Annual Session & Exhibition Program
National Harbor, MD
February 27 - March 3, 2010
13. American Dental Education Association CCI Liaison Meeting
Engaged for Change: Strategies for Moving Forward
2010 ADEA CCI Liaison Meeting in Cambridge, MA
June 27-30, 2010
14. HBCU-Stanford Diversity in BioMedicine Think Tank Conference
Stanford University
Stanford, CA
October 13-14, 2022

Professional Development-Laboratory Training Modules:

1. Animal Models of Breast Cancer
Agnes Day, Ph.D., John T. Stubbs, Ph.D. (Howard University) and
Marti Jett, Ph.D., Rina Das, Ph.D. (Walter Reed Army Institute of Research)
June 19, 2001. Howard University College of Medicine
2. Rodent Handling Techniques DOD Laboratory Animal Care Workshops
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
August 2, 2002; July 12, 2002
3. Pregnant Lactating Mouse Breast Gland Isolation
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
July 31, 2003
4. In Vivo Imaging Workshop
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
July 13, 2004
5. Proteomics Workshop
August 10, 2004
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
6. Laboratory/seminar series in molecular medical mycology
Dr. Aaron Mitchell, Department of Microbiology, Columbia University
April 15-16, 2003
7. Laboratory/seminar series in molecular medical mycology
Dr. Richard Calderone, Department of Microbiology, Georgetown University
Fall, 2003
8. QIAGEN Symposium on Pyrosequencing, microbial forensics, and miRNA research
Germantown, MD
June 16, 2009
9. HU CETLA Learning Management Systems (LMS) Essentials Certificate
December 11, 2020

Professional Service:

- 4/98, 06 Judge
Graduate Research Symposium
Biological Sciences Division
The Graduate School of Arts and Sciences
Howard University
- 6/99-06 Director
Orthopedic Resident Research Rotation
Division of Orthopedics, Dept of Surgery
Howard University Hospital
Howard University

Provided four three-month research rotations per year for PGY3 orthopedic residents
Provided documentation in support of the successful re-accreditation of the Orthopedic Residency Program, Howard University Hospital, by the ACGME, Fall 2004
- 5/98, 04 Member
Ad-Hoc Committee on Research
College of Medicine
Howard University
- 2004 Reviewer
U.S. Army Medical Research and Materiel Command (USAMRMC)
Neurofibromatosis Research Program Peer Review Panel
- 2004 Reviewer
Bone, Official Journal of the International Bone and Mineral Society
- 2004 Reviewer
The Fund for Academic Excellence Grant Program,
Office of the Provost, Howard University
- 2005-16 Member
Microbiology Departmental Graduate Admission Committee
Microbiology Departmental Graduate Curricular Committee
Microbiology Departmental Graduate Off-Campus Research Committee
- 2007-present ADEA Commission on Change and Innovation (CCI) Liaison
American Dental Education Association
Medical/Dental Basic Science Faculty ADEA CCI Liaison
Howard University
- 2009 Participant
2009 Howard University Dental School (CODA) Re-accreditation Site Visit.
Provided microbiology departmental documentation and representation
- 2008-present Faculty Medical Student Research Facilitator
Provided information on research opportunities to HU Medical Students

Professional Service (Cont.):

2011-17	Howard University Faculty Senate Council (Elected Member) HU College of Medicine Representative
2012	Howard University Provost Search Committee Member Faculty Senate Council Representative for Health Sciences
2013	Howard University Task Force on Health Care Benefits Member Howard University Faculty Senate Council Representative
2014	Academic Excellence Committee (Curriculum Committee) (Appointed Member) Howard University Dental School
2014-17	LCME Standard Team (Appointed Committee Member) Academic and Learning Environments Community of Scholars/Research Opportunities Howard University College of Medicine
2015	Howard University College of Dentistry Dean Search Committee (Appointed Member) Basic Science Faculty Representative
2016-present	Department of Microbiology Appointments, Promotion, and Tenure (APT) Committee Chair
2016	CODA Accreditation Site Visit Participant Howard University Dental School Provided microbiology departmental documentation and representation
2017	LCME Accreditation Site Visit Participant Howard University College of Medicine
2019-2023	Howard University Faculty Senate Faculty Grievance Commission Hearing Panel (Elected Member) HU College of Medicine Representative
2020	Faculty Reviewer Just Julian Graduate Research Fellowship Program
2022, 2023	HUCM Freshman Orientation-Research HUCM MSY2 Orientation-Research HUCM MSY3 Orientation-Research
2021-present	HUCM Representative and Contact Stanford Medicine & Howard University Summer (REACH) Research Program
2022-2023	HUCM Second Look Panel Day Presentation Panel HUCM Office of Admissions January 13, 2023 and May 26, 2023

Symposia Organized:

1. Animal Models of Breast Cancer
Agnes Day, Ph.D., John T. Stubbs, Ph.D. (Howard University) and
Marti Jett, Ph.D. Rina Das, Ph.D. (Walter Reed Army Institute of Research)
June 19, 2001. Howard University College of Medicine
2. Coordinated HU Graduate Student Participation in Training Workshops for DOD Grant
Rodent Handling Techniques DOD Laboratory Animal Care Workshops
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
August 2, 2002; July 12, 2002
3. Coordinated HU Faculty, Staff, and Graduate Student Participation in Training Workshops for DOD
Grant
Pregnant Lactating Mouse Breast Gland Isolation
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
July 31, 2003
4. Coordinated HU Faculty, Staff, and Graduate Student Participation in Training Workshops for DOD
Grant
In Vivo Imaging Workshop
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
July 13, 2004
5. Coordinated HU Faculty, Staff, and Graduate Student Participation in Training Workshops for DOD
Grant
Proteomics Workshop
Walter Reed Army Institute of Research Naval Medical Center Division of Veterinary Medicine
August 10, 2004

Invited Talks:

1. "The hydroxyapatite crystal growth inhibition properties of bone sialoprotein (and possibly
osteopontin) are due to post-translational modifications."
Stubbs, J.T., Eanes, E.D., Mintz, K.P., and Fisher, L.W. (1995)
October 27, 1995 at the 5 th International Conference on the Chemistry and Biology of Mineralized
Tissues. Kohler, Wisconsin
2. "Bone Sialoprotein: A small integrin-binding phospho/sulfoprotein expressed during early bone and
cementum development"
Stubbs, J.T.
March 14, 1996 at the NIDR- Cell Interactions in Development Symposium. Joint Meeting of the 74
th General Session of the International Association of Dental Research and 25 th Annual Meeting of
the Annual Meeting of the American Association of Dental Research. San Francisco, California
3. "Evaluation of Biological Response of Osteoblast-like UMR-106 Cells to Porous PHBV Matrix."
Stubbs, J.T.
Feb.14-16, 2007
Creighton University Medical Center, Department of Microbiology, Omaha, NA

Symposia Participation:

1. "From Cells to Developmental Systems and Beyond: A Symposium Honoring Ernest Everett Just"
Moderator of Non-Invasive Imaging of Living Organisms Session, November 21, 2008
Carnegie Building, Howard University, Washington, DC